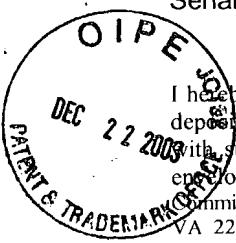


Serial No.: 09/586,624



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Signature  
12/18/03

Date of Signature

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Our Case No. 9281/3660

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
Naoya HASAGAWA )  
Serial No.: 09/586,624 ) Examiner: Bernatz, Kevin M.  
Filing Date: 06/02/2000 ) Group Art Unit: 1773  
For: SPIN-VALVE TYPE )  
MAGNETORESISTIVE SENSOR )  
AND METHOD OF )  
MANUFACTURING THE SAME )

**AMENDMENT AND RESPONSE TO OFFICE ACTION**

MS/Non-fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This paper is submitted in response to the Office action of September 2, 2003. The Claims begin on page 2 and the Remarks begin on page 6.